DOCKET NO: CEPH-0939

N. 09/500,849 filed 02/10/00

ZONFIRMATION NO.3140

Zydic Substituted Fused Pyrrolocarbazóles

soindolones* Hudkins

heet / of 21

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Figure 1.

PG = Protecting Group or Polymeric Support

Figure 2.

Figure 3. Preparation of Cyclic Substituents via Intra-molecular Dipolar Cycloaddition

Figure 4. Preparation of Cyclic Substituents via Intra-molecular Dipolar Cycloaddition

Figure 5.

Figure 6.

Figure 7.

Figure 8.

Figure 9.

Figure 10.

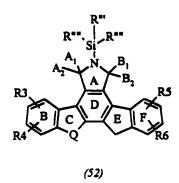
PG = Protecting Group or Polymeric Support

Figure 11. Preparation of Soluble and Resin-bound N-lactam protected Fused Pyrrolocarbazoles (FP)

$$\begin{array}{c|c}
A_1 & H \\
A_2 & A \\
A & B_2
\end{array}$$

$$\begin{array}{c|c}
B & C & D \\
R_4 & Q & R_6
\end{array}$$

McO
$$R'$$
 O R' A_2 A A_3 A_4 A_5 A_5



- (49) R' = H, R" = H >> soluble protected FP (N-protecting group abbreviated as DMB)
- R''' = Me, R''' = tBu (TBS) R''' = Ph, R''' = tBu (TPS)
- (50) R' = OMe, R" = Polymer >> solid-bound PG (the resin reagent reffered to as Rink-acid resin) This is reffered to ion the text as "Resin"
 - (e.g. Polymer = copolystyrene-1%divinylbenzene)

Figure 13. Preparation of Cyclic Substituents via Intra-molecular Dipolar Cycloaddition

Figure 14. Preparation of Cyclic Substituents via Intra-molecular Dipolar Cycloaddition

Figure 15.

Figure 16.

Figure 17.

Figure 18.

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Isoindolones" Hudkins
Sheet Pof 21

Figure 19.

Figure 20.

Figure 21.